

Specification for URS – Large

1. Uretero-Reno scope-1 pcs

It should have the following features:

- Direction of view should be 5-12 degree.
 - Distal end outer diameter should be around 8.0-9.0 Fr.
 - Working length should be 400-450mm.
 - Single/dual working channel- Incorporated/Detachable instrument port with sealing system and quick release lock, 2 channels.
 - Working channel diameter should be around 5-7fr.
 - Semi-Rigid type.
 - Angled eye piece.
 - Autoclavable.
 - Atraumatic tip design.
 - 2 lateral irrigation ports.
 - Built –in maintainance free stop cocks.
 - It should be supplied with following items
 - Self sealing cap- 10no.
 - Autoclavable instrument tray.
2. Grasping forceps for stone fragments, double action jaws, 3-4 Fr, flexible/rigid, autoclavable, length 55-60 cms-2 pcs.
 3. Grasping forceps for large stone fragments, double action jaws, 5 Fr, flexible/Rigid, length 55-60cms- 2 pcs.
 4. Accessories(for each scope)
 - a. Handle-1
 - b. Membrane seal(pack of 10)-2
 - c. Membrane retainer, standard-1
 - d. Membrane retainer with luer-1

Stone therapy with laser, ultrasound, electro-hydraulic or ballistic lithotripsy should be feasible. Rigid auxillary instruments should go through the straight instrument channel. Use of flexible auxillary instruments or two different instrument such as laser fibre of electro hydraulic probe and stone extractor to stabile and retrieve the stone fragments should be possible.

All instruments should be CE and FDA approved

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Specification for nephroscope and PCNL set

The system should have following:

- Telescope: QTY 1 no. each
 - 18-22 fr , autoclavable, with >12 fr working channel and having working length of more than 220mm.
 - Should have maintenance free stopcocks.
- Sheaths and hand instruments

The system should have quick snap on mechanism. Sheath should have matt finish for staying of lubrication gel to reduce friction trauma to patient. Maintenance free stopcocks needing no lubrication
- Rotatable outer sheath :QTY 1 no each
 - Should be 24-26 fr for compatible telescope 18-22fr, autoclavable, with >12 fr working channel with standard hollow obturator.
- Hand instrument: QTY 2 no. each
 - 380mm-400mm grasping forceps , toothed.
 - 380mm-400mm grasping forceps, with fenestration.
 - 380mm-400mm grasping forceps , three nail.
 - 380mm-400mm biopsy forceps for collecting samples of biopsy.
 - 380mm-400mm compatible knife to be used with nephroscope.
 - Compatible scissors for use with nephroscope set.
 - Sickle knife for use with nephroscope set.
- The eye piece should be compatible with standard endovision camera head.
- Accessories – standard
- Storage and transportation tray
- All instrument must be CE and FDA certified wherever applicable.

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